

1/6

## FIG.1

Formation of Sensor and Actuator Element Material by Liquid Rapid Solidification Method  
(Formation of Thin Belt and Thin Wire: Fine Columnar Crystal Texture, Large Crystalline Anisotropy, Non-Equilibrium Phase)

Pulverization or Laminate Formation of Thin Belt and Thin Wire  
(Using Rotary Ball Mill, Formation of Preform)

Spark Plasma Sintering Bonding (SPS) Method (Dynamic Electric Pulse Application,  
Promotion of Internal Diffusion Bonding, Bulk Densification)

Post Annealing in Magnetic Field  
(Domain Structure Control)

Production of High Performance Actuator and Sensor Material  
(Crystal Orientation, Maintenance of Rapidly Slidified Particular Tissue,  
Domain Structure Control)

## FIG.2

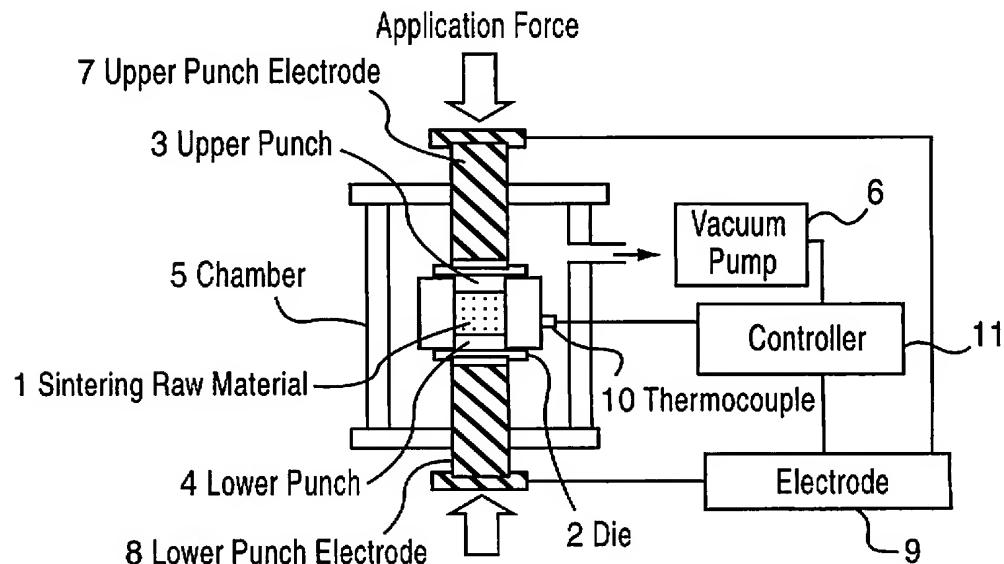


FIG.3

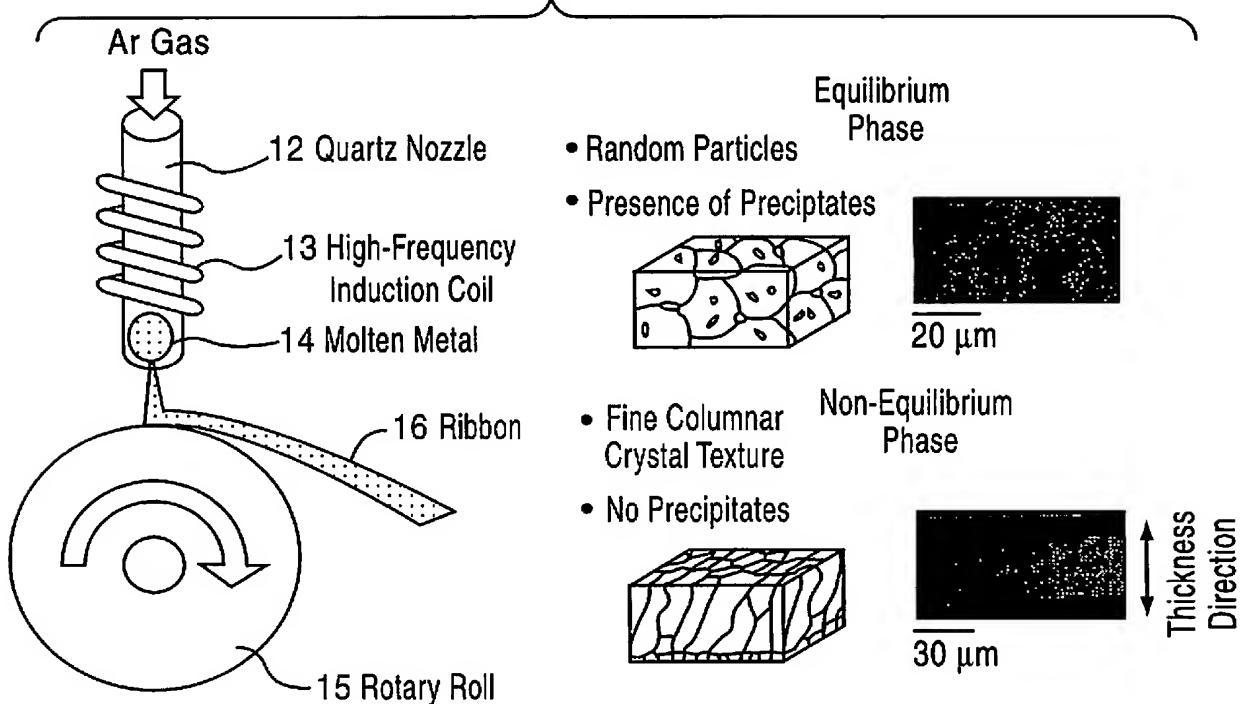


FIG.4

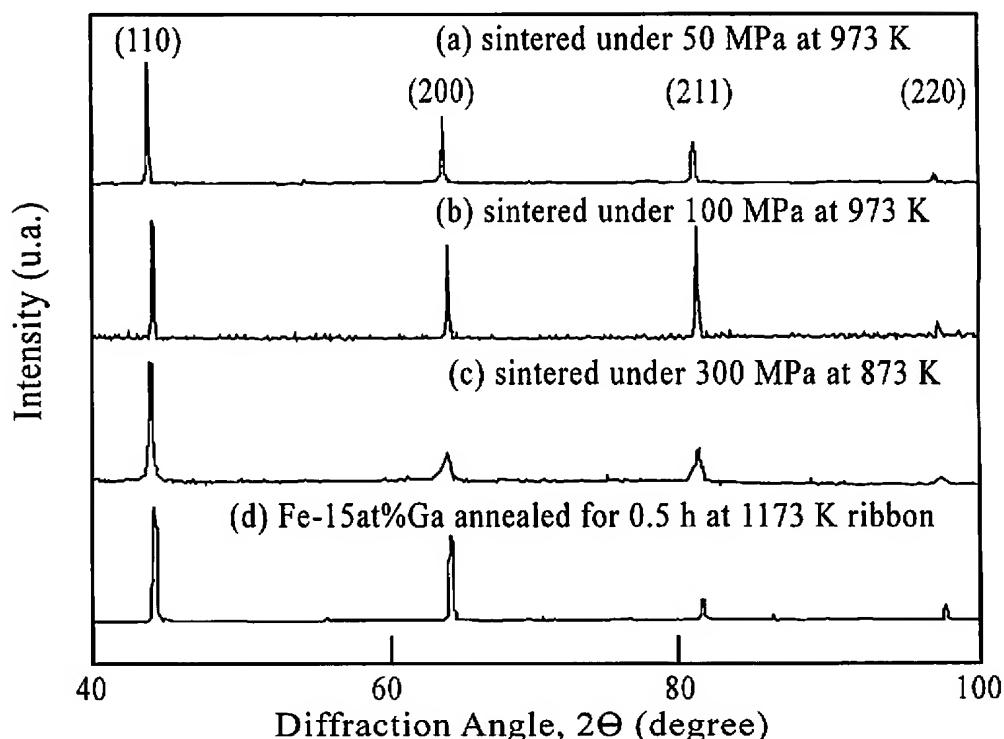


FIG.5

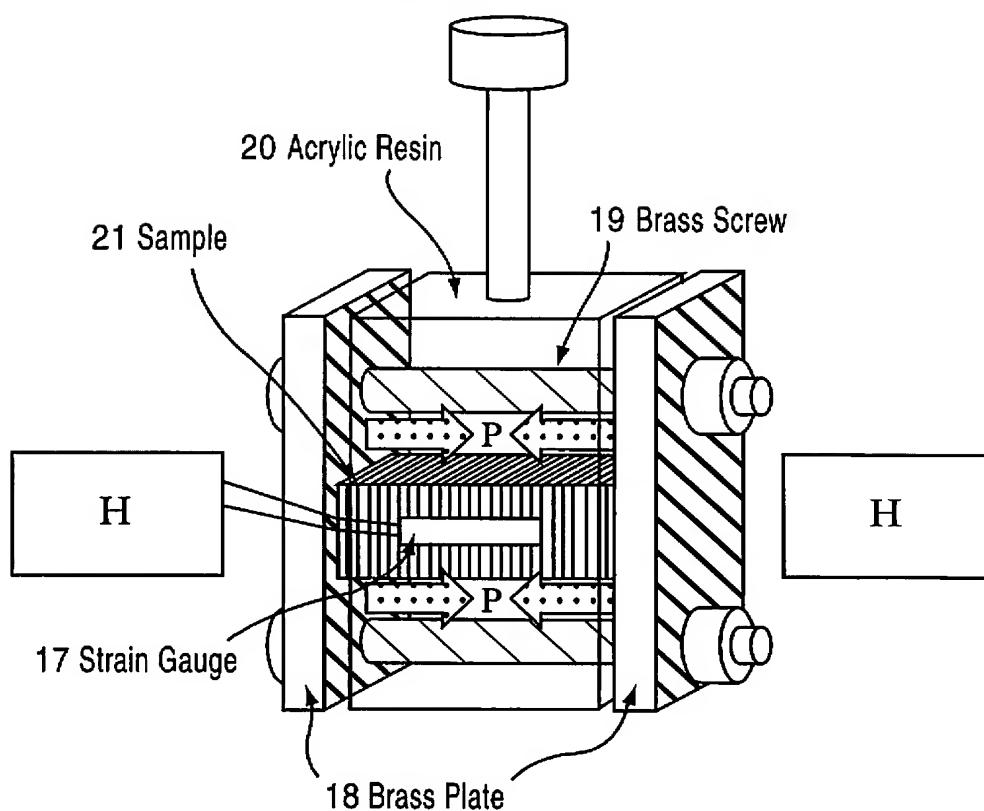
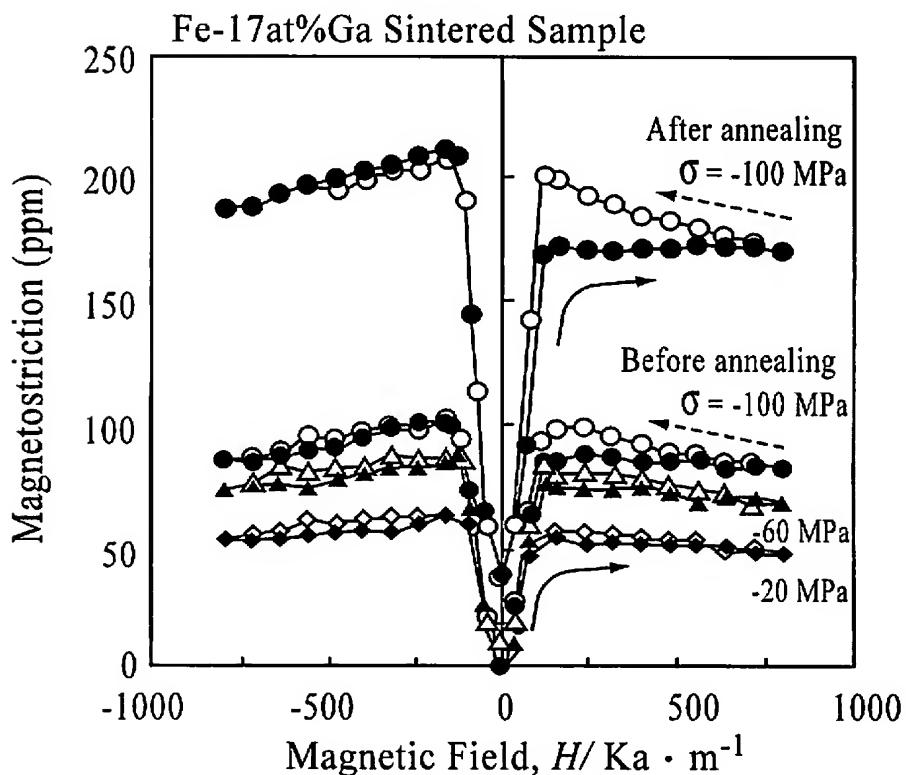


FIG.6



4/6

FIG.7

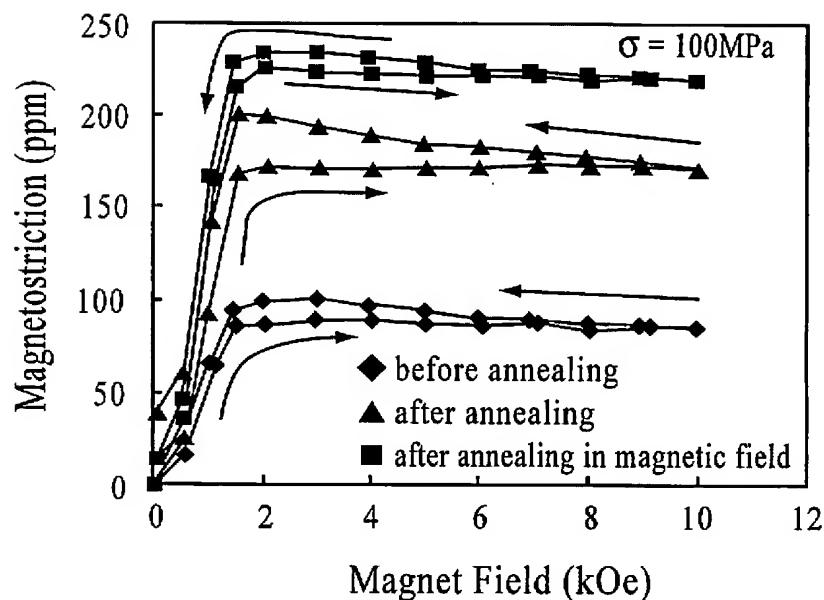
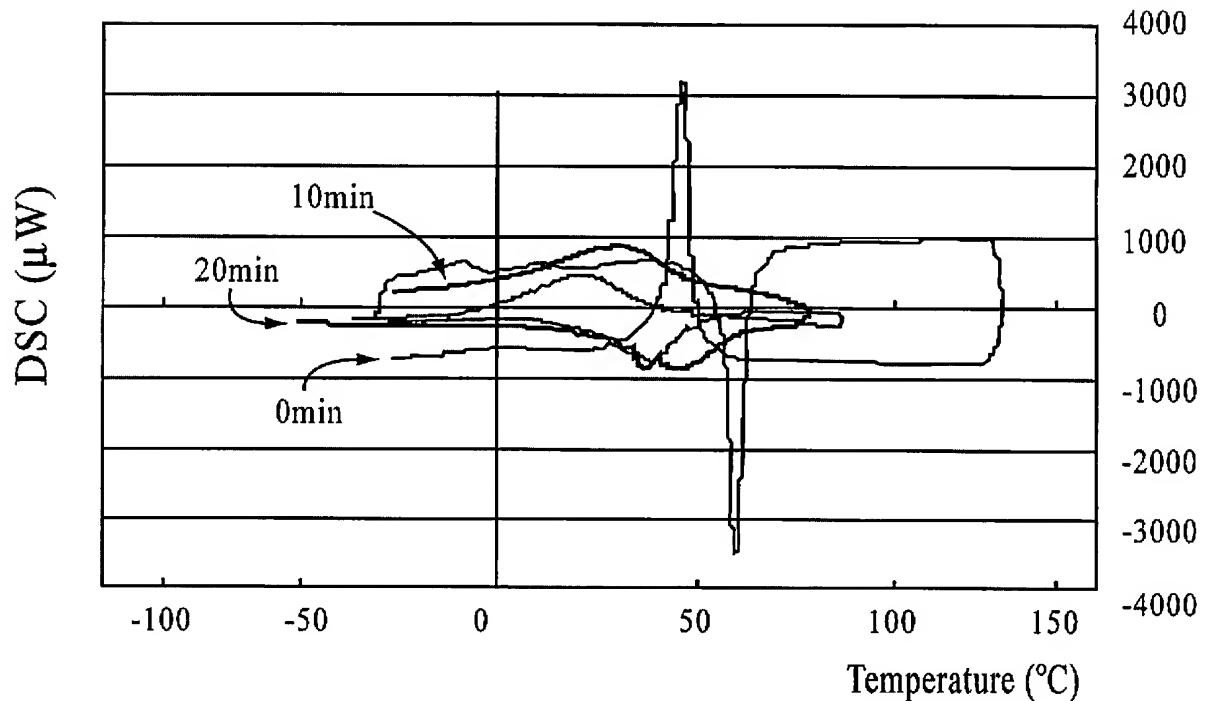


FIG.8



5/6

FIG.9

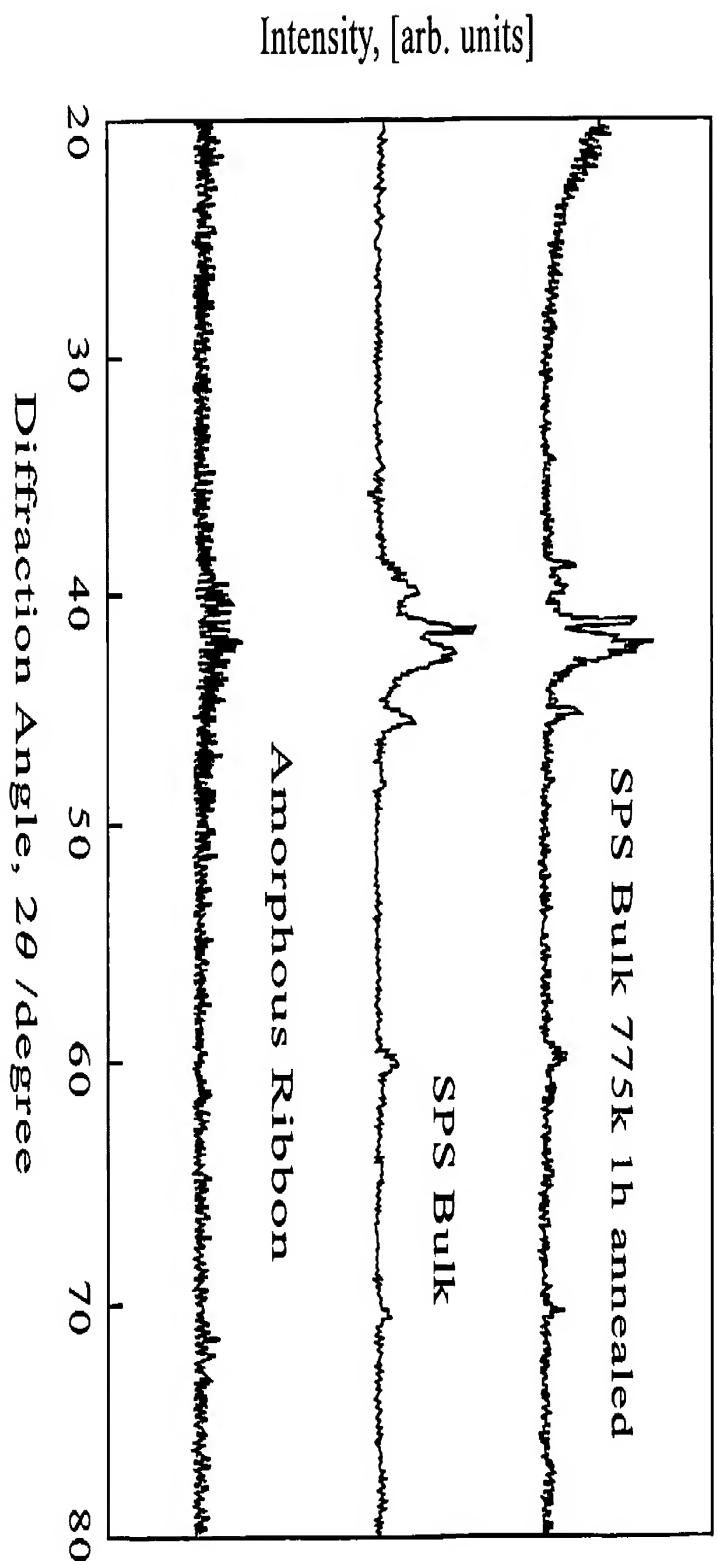


FIG.10

